

# Emerging Technology

## Ship-Borne Emergency Oil Containment System and Method

This technology, the Central Ballast Tanker, prevents or minimizes oil outflow in the event of a tank vessel accident involving penetration of the cargo tank(s). The system immediately reports damage location, permitting high-volume, gravity-flow transfer from penetrated tanks to protectively located tanks along the centerline of the vessel. The wheelhouse monitor permits positive detection, location, and flow control in real time.

The Central Ballast Tanker is the only design that directly responds to this recommendation of the Committee on Tank Vessel Design, National Research Council: "All new tankers should have a reliable onboard system for transferring cargo from damaged tanks to an intact tank or another vessel."

Studies on this new system state: "Technical validity and assured commercial feasibility." "Deserving of the Flag Administration's consideration." "Superior performance compared to the double-hull." "Superior outflow protection in grounding; equivalent protection in collisions." "Savings in steel, labor and coating further increased by shipyard purchasing and production methods."



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